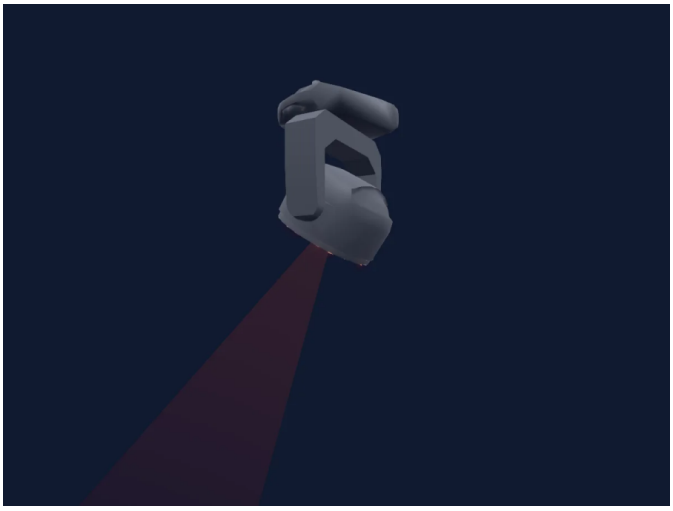
Robe Lighting

Robin Tarrantula



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**28, 48, 95, 108, 115, 128 channels**
Beam angle	**4-50°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**8**
Size (W × H × D)	**400 × 249 × 387 mm**
GDTF fixture type	**2FAF8A74-1CDD-4894-817F-79…**

Controls

Zoom · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

DMX modes

Mode 1-Wash	28 ch
Mode 2-Pattern	48 ch
Mode 3-Pixel RGB	95 ch
Mode 5-Pattern full RGB	108 ch
Mode 4-Pixel RGBW	115 ch
Mode 6-Pattern full RGBW	128 ch

Mode 1-Wash

28 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 1-Wash (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 1-Wash (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
13	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
14	Dimmer	255	0–254 Closed 255–255 Open

Mode 1-Wash (continued)

Ch	Function	Default	DMX values
15	L EDZone Mode	0	0–2 All pixels 3–4 Ring 1 (Middle pixel) 5–6 Ring 2 7–8 Ring 3 9–10 Ring 4 11–12 Ring 1 + Ring 2 13–14 Ring 1 + Ring 3 15–16 Ring 1 + Ring 4 17–18 Ring 2 + Ring 3 19–20 Ring 2 + Ring 4 21–22 Ring 3 + Ring 4 23–24 Ring 1 + Ring 3 + Ring 4 25–26 Ring 1 + Ring 2 + Ring 4 27–28 Ring 1 + Ring 2 + Ring 3 29–30 Sector 1 31–32 Sector 2 33–34 Sector 3 35–36 Sector 4 37–38 Sector 5 39–40 Sector 6 41–42 Sector 1 + 4 43–44 Sector 1 + 4 + Ring 1 45–46 Sector 2 + 5 47–48 Sector 2 + 5 + Ring 1 49–50 Sector 3 + 6 51–52 Sector 3 + 6 + Ring 1 53–54 Sector 1 + 3 +5 55–56 Sector 1 + 3 + 5 + Ring 1 57–58 Sector 2 + 4 + 6 59–60 Sector 2 + 4 + 6 + Ring 1 61–62 Sector 1 + 2 + 3 63–64 Sector 2 + 3 + 4 65–66 Sector 3 + 4 + 5 67–68 Sector 4 + 5 + 6 69–70 Sector 5 + 6 + 1 71–72 Sector 6 + 1 + 2 73–255 NoFeature 2
16	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors

Mode 1-Wash (continued)

Ch	Function	Default	DMX values
17	Flower Effect	0	0–0 Open position/Flower Effect Off (wheel slot 1) 1–24 Fast to slow 1/7 (wheel slot 2) 25–49 Fast to slow 2/7 (wheel slot 2) 50–74 Fast to slow 3/7 (wheel slot 2) 75–99 Fast to slow 4/7 (wheel slot 2) 100–119 Fast to slow 5/7 (wheel slot 2) 120–124 Fast to slow 6/7 (wheel slot 2) 125–127 Fast to slow 7/7 (wheel slot 2) 128–128 No rotation middle (wheel slot 2) 129–131 Slow to fast 1/7 (wheel slot 2) 132–136 Slow to fast 2/7 (wheel slot 2) 137–156 Slow to fast 3/7 (wheel slot 2) 157–181 Slow to fast 4/7 (wheel slot 2) 182–206 Slow to fast 5/7 (wheel slot 2) 207–232 Slow to fast 6/7 (wheel slot 2) 233–255 Slow to fast 7/7 (wheel slot 2)
18	Red	255	
19	Green	255	
20	Blue	255	
21	White	255	
22	Color Macro1	0	
23	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
24	Dimmer	0	0–254 Closed 255–255 Open
25	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
26	Beam Shaper	128	0–0 Beam shaper in initial position 1–255 Beam shaper indexing min to max
27	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open

Mode 1-Wash (continued)

Ch	Function	Default	DMX values
28	Dimmer	0	0–254 Closed 255–255 Open

Mode 2-Pattern

48 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	0–254 Closed 255–255 Open
19	Dimmer Fine	255	Fine byte of Dimmer

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
20	L EDZone Mode	0	0–2 All pixels 3–4 Ring 1 (Middle pixel) 5–6 Ring 2 7–8 Ring 3 9–10 Ring 4 11–12 Ring 1 + Ring 2 13–14 Ring 1 + Ring 3 15–16 Ring 1 + Ring 4 17–18 Ring 2 + Ring 3 19–20 Ring 2 + Ring 4 21–22 Ring 3 + Ring 4 23–24 Ring 1 + Ring 3 + Ring 4 25–26 Ring 1 + Ring 2 + Ring 4 27–28 Ring 1 + Ring 2 + Ring 3 29–30 Sector 1 31–32 Sector 2 33–34 Sector 3 35–36 Sector 4 37–38 Sector 5 39–40 Sector 6 41–42 Sector 1 + 4 43–44 Sector 1 + 4 + Ring 1 45–46 Sector 2 + 5 47–48 Sector 2 + 5 + Ring 1 49–50 Sector 3 + 6 51–52 Sector 3 + 6 + Ring 1 53–54 Sector 1 + 3 +5 55–56 Sector 1 + 3 + 5 + Ring 1 57–58 Sector 2 + 4 + 6 59–60 Sector 2 + 4 + 6 + Ring 1 61–62 Sector 1 + 2 + 3 63–64 Sector 2 + 3 + 4 65–66 Sector 3 + 4 + 5 67–68 Sector 4 + 5 + 6 69–70 Sector 5 + 6 + 1 71–72 Sector 6 + 1 + 2 73–255 NoFeature 2
21	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
22	Flower Effect	0	0–0 Open position/Flower Effect Off (wheel slot 1) 1–24 Fast to slow 1/7 (wheel slot 2) 25–49 Fast to slow 2/7 (wheel slot 2) 50–74 Fast to slow 3/7 (wheel slot 2) 75–99 Fast to slow 4/7 (wheel slot 2) 100–119 Fast to slow 5/7 (wheel slot 2) 120–124 Fast to slow 6/7 (wheel slot 2) 125–127 Fast to slow 7/7 (wheel slot 2) 128–128 No rotation middle (wheel slot 2) 129–131 Slow to fast 1/7 (wheel slot 2) 132–136 Slow to fast 2/7 (wheel slot 2) 137–156 Slow to fast 3/7 (wheel slot 2) 157–181 Slow to fast 4/7 (wheel slot 2) 182–206 Slow to fast 5/7 (wheel slot 2) 207–232 Slow to fast 6/7 (wheel slot 2) 233–255 Slow to fast 7/7 (wheel slot 2)
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	0–254 Closed 255–255 Open
30	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
31	Zoom Fine	0	Fine byte of Zoom
32	Beam Shaper	128	0–0 Beam shaper in initial position 1–255 Beam shaper indexing min to max

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
33	Pattern Selection	0	0–2 No pattern 3–4 Pattern 1 5–6 Pattern 2 7–8 Pattern 3 9–10 Pattern 4 11–12 Pattern 5 13–14 Pattern 6 15–16 Pattern 7 17–18 Pattern 8 19–20 Pattern 9 21–22 Pattern 10 23–24 Pattern 11 25–26 Pattern 12 27–28 Pattern 13 29–30 Pattern 14 31–32 Pattern 15 33–34 Pattern 16 35–36 Pattern 17 37–38 Pattern 18 39–40 Pattern 19 41–42 Pattern 20 43–44 Pattern 21 45–46 Pattern 22 47–255 Reserved
34	Pattern Size	0	0–2 Variant 1 3–4 Variant 2 5–6 Variant 3 7–8 Variant 4 9–10 Variant 5 11–12 Variant 6 13–14 Variant 7 15–16 Variant 8 17–18 Variant 9 19–20 Variant 10 21–22 Variant 11 23–24 Variant 12 25–26 Variant 13 27–255 Reserved
35	Pattern Rotation	0	0–0 No rotation 1–127 Pattern indexing 128–190 Forwards rotation -Fast to slow 191–192 No rotation 193–255 Backwards rotation - Slow to fast
36	Pattern Fade	0	0–0 Snap 1–254 Fade min 255–255 Fade max
37	Pattern Transition	0	0–0 No fade 1–254 100 ms 255–255 4 s
38	Pattern Crossfade	255	0–254 Background 255–255 Pattern
39	Red	255	
40	Green	255	
41	Blue	255	
42	White	255	

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
43	Color Macro1	0	0–2 No macro 3–8 Macro 1 9–14 Macro 2 15–20 Macro 3 21–26 Macro 4 27–32 Macro 5 33–38 Macro 6 39–44 Macro 7 45–50 Macro 8 51–56 Macro 9 57–62 Macro 10 63–68 Macro 11 69–74 Macro 12 75–80 Macro 13 81–86 Macro 14 87–92 Macro 15 93–98 Macro 16 99–104 Macro 17 105–110 Macro 18 111–116 Macro 19 117–122 Macro 20 123–128 Macro 21 129–134 Macro 22 135–140 Macro 23 141–255 Reserved
44	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 PatternStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 PatternStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 PatternStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 PatternStrobePulseOpen · Slow to fast 1/7 0.12–0.... 135–140 PatternStrobePulseOpen · Slow to fast 4/7 0.297–0... 141–143 PatternStrobePulseOpen · Slow to fast 7/7 0.449–0... 144–149 PatternStrobePulseClose · Fast to slow 1/7 0.5–0.3... 150–155 PatternStrobePulseClose · Fast to slow 4/7 0.34–0.... 156–159 PatternStrobePulseClose · Fast to slow 7/7 0.18–0.... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
45	Dimmer	255	0–254 Closed 255–255 Open
46	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
47	Dimmer	0	0–254 Closed 255–255 Open

Mode 2-Pattern (continued)

Ch	Function	Default	DMX values
48	Dimmer Fine	0	Fine byte of Dimmer

Mode 3-Pixel RGB

95 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 3-Pixel RGB (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 3-Pixel RGB (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	
19	Dimmer Fine	255	Fine byte of Dimmer
20	L EDZone Mode	0	
21	Color Mix Mode	45	
22	Flower Effect	0	
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	
30	Zoom	128	
31	Zoom Fine	0	Fine byte of Zoom

Mode 3-Pixel RGB (continued)

Ch	Function	Default	DMX values
32	Beam Shaper	128	
33	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
34	Dimmer	0	
35	Dimmer Fine	0	Fine byte of Dimmer
36	Red	0	
37	Green	0	
38	Blue	0	
39	Red	0	
40	Green	0	
41	Blue	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Red	0	
58	Green	0	
59	Blue	0	
60	Red	0	
61	Green	0	
62	Blue	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	

Mode 3-Pixel RGB (continued)

Ch	Function	Default	DMX values
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Red	0	
94	Green	0	
95	Blue	0	

Mode 5-Pattern full RGB

108 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	
19	Dimmer Fine	255	Fine byte of Dimmer
20	L EDZone Mode	0	
21	Color Mix Mode	45	
22	Flower Effect	0	
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	
30	Zoom	128	
31	Zoom Fine	0	Fine byte of Zoom

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
32	Beam Shaper	128	
33	Pattern Selection	0	
34	Pattern Size	0	
35	Pattern Rotation	0	
36	Pattern Fade	0	
37	Pattern Transition	0	
38	Pattern Crossfade	255	
39	Red	255	
40	Green	255	
41	Blue	255	
42	White	255	
43	Color Macro1	0	
44	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 PatternStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 PatternStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 PatternStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 PatternStrobePulseOpen · Slow to fast 1/7 0.12–0.... 135–140 PatternStrobePulseOpen · Slow to fast 4/7 0.297–0... 141–143 PatternStrobePulseOpen · Slow to fast 7/7 0.449–0... 144–149 PatternStrobePulseClose · Fast to slow 1/7 0.5–0.3... 150–155 PatternStrobePulseClose · Fast to slow 4/7 0.34–0.... 156–159 PatternStrobePulseClose · Fast to slow 7/7 0.18–0.... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
45	Dimmer	255	
46	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
47	Dimmer	0	
48	Dimmer Fine	0	Fine byte of Dimmer
49	Red	0	
50	Green	0	
51	Blue	0	
52	Red	0	
53	Green	0	
54	Blue	0	
55	Reserved 55	0	

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Red	0	
71	Green	0	
72	Blue	0	
73	Red	0	
74	Green	0	
75	Blue	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	
97	Reserved 97	0	
98	Reserved 98	0	
99	Reserved 99	0	
100	Reserved 100	0	

Mode 5-Pattern full RGB (continued)

Ch	Function	Default	DMX values
101	Reserved 101	0	
102	Reserved 102	0	
103	Reserved 103	0	
104	Reserved 104	0	
105	Reserved 105	0	
106	Green	0	
107	Red	0	
108	Blue	0	

Mode 4-Pixel RGBW

115 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	
19	Dimmer Fine	255	Fine byte of Dimmer
20	L EDZone Mode	0	
21	Color Mix Mode	45	
22	Flower Effect	0	
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	
30	Zoom	128	
31	Zoom Fine	0	Fine byte of Zoom

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
32	Beam Shaper	128	
33	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
34	Dimmer	0	
35	Dimmer Fine	0	Fine byte of Dimmer
36	Red	0	
37	Green	0	
38	Blue	0	
39	White	0	
40	Red	0	
41	Green	0	
42	Blue	0	
43	White	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Red	0	
65	Green	0	

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
66	Blue	0	
67	White	0	
68	Red	0	
69	Green	0	
70	Blue	0	
71	White	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	
97	Reserved 97	0	
98	Reserved 98	0	
99	Reserved 99	0	
100	Reserved 100	0	
101	Reserved 101	0	
102	Reserved 102	0	
103	Reserved 103	0	
104	Reserved 104	0	
105	Reserved 105	0	
106	Reserved 106	0	
107	Reserved 107	0	
108	Reserved 108	0	
109	Reserved 109	0	
110	Reserved 110	0	

Mode 4-Pixel RGBW (continued)

Ch	Function	Default	DMX values
111	Reserved 111	0	
112	Red	0	
113	Green	0	
114	Blue	0	
115	White	0	

Mode 6-Pattern full RGBW

128 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TO	0	
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	
19	Dimmer Fine	255	Fine byte of Dimmer
20	L EDZone Mode	0	
21	Color Mix Mode	45	
22	Flower Effect	0	
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	
30	Zoom	128	
31	Zoom Fine	0	Fine byte of Zoom

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
32	Beam Shaper	128	
33	Pattern Selection	0	
34	Pattern Size	0	
35	Pattern Rotation	0	
36	Pattern Fade	0	
37	Pattern Transition	0	
38	Pattern Crossfade	255	
39	Red	255	
40	Green	255	
41	Blue	255	
42	White	255	
43	Color Macro1	0	
44	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 PatternStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 PatternStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 PatternStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 PatternStrobePulseOpen · Slow to fast 1/7 0.12–0.... 135–140 PatternStrobePulseOpen · Slow to fast 4/7 0.297–0... 141–143 PatternStrobePulseOpen · Slow to fast 7/7 0.449–0... 144–149 PatternStrobePulseClose · Fast to slow 1/7 0.5–0.3... 150–155 PatternStrobePulseClose · Fast to slow 4/7 0.34–0.... 156–159 PatternStrobePulseClose · Fast to slow 7/7 0.18–0.... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
45	Dimmer	255	
46	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
47	Dimmer	0	
48	Dimmer Fine	0	Fine byte of Dimmer
49	Red	0	
50	Green	0	
51	Blue	0	
52	White	0	
53	Red	0	
54	Green	0	
55	Blue	0	

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
56	White	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Red	0	
78	Green	0	
79	Blue	0	
80	White	0	
81	Red	0	
82	Green	0	
83	Blue	0	
84	White	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	
97	Reserved 97	0	
98	Reserved 98	0	
99	Reserved 99	0	
100	Reserved 100	0	

Mode 6-Pattern full RGBW (continued)

Ch	Function	Default	DMX values
101	Reserved 101	0	
102	Reserved 102	0	
103	Reserved 103	0	
104	Reserved 104	0	
105	Reserved 105	0	
106	Reserved 106	0	
107	Reserved 107	0	
108	Reserved 108	0	
109	Reserved 109	0	
110	Reserved 110	0	
111	Reserved 111	0	
112	Reserved 112	0	
113	Reserved 113	0	
114	Reserved 114	0	
115	Reserved 115	0	
116	Reserved 116	0	
117	Reserved 117	0	
118	Reserved 118	0	
119	Reserved 119	0	
120	Reserved 120	0	
121	Reserved 121	0	
122	Reserved 122	0	
123	Reserved 123	0	
124	Reserved 124	0	
125	Red	0	
126	Green	0	
127	Blue	0	
128	White	0	